

## ABSTRACT OF THE DISCLOSURE

The present invention is directed to preventing and correcting a fluctuated image which occurs due to a user's fluctuated hand when recording using a mobile image communication system by adapting a digital image stabilization technique in a video decoder. In addition, when decoding an encoded bit stream by the macro block unit, a motion information is extracted, and one global motion vector is determined using the extracted information. The global motion vector is directed to a motion of a mobile image communication system, and it is possible to obtain a stabilized image by correcting the decoded image data stored in a frame memory using the global motion vector. In the present invention, since only the motion information is used in the encoded bit stream, a hardware construction is simplified. Therefore, the present invention is well adapted to compute a large amount of data. In addition, the present invention is well adapted to an apparatus capable of removing a fluctuated phenomenon due to a user's fluctuated hand and obtaining a stable image for a mobile image communication system which is implemented based on MPEG, H.261/263, IMT-2000.